# Microsoft Azure Government

The cloud platform for digital transformation



Trust



Open and Hybrid



Application Innovation



Data Driven Intelligence

Steve Read, Cloud Solution Architect,

SRead@Microsoft.com

Microsoft

Microsoft



























coming online by 2020



Nearly 50% of cloud investment will come from public sector by 2018

















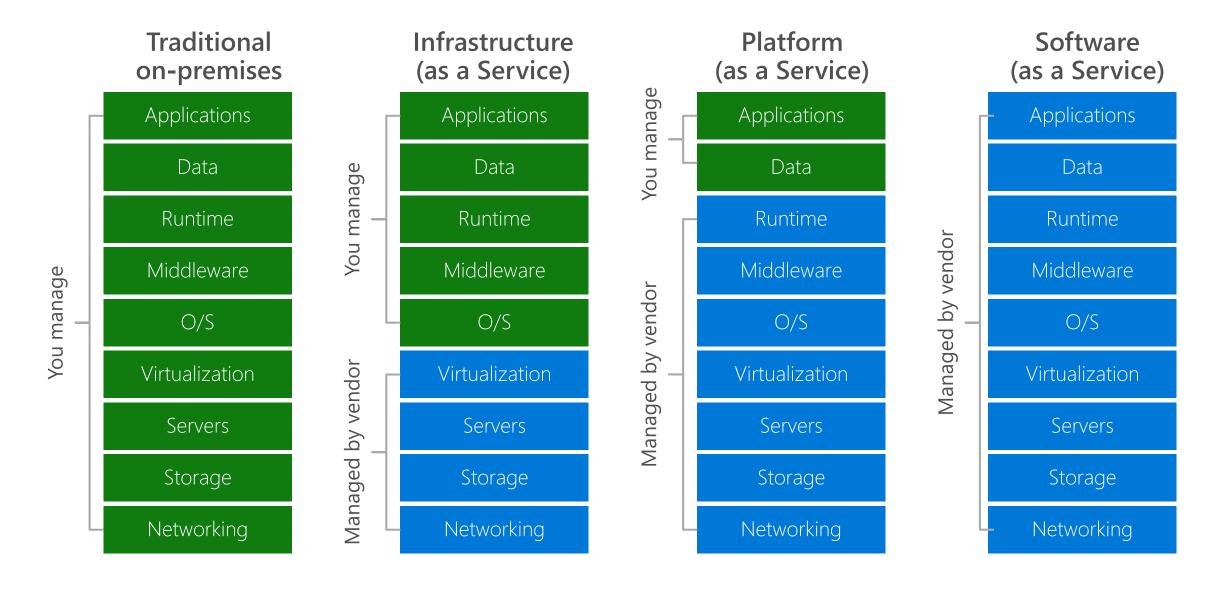




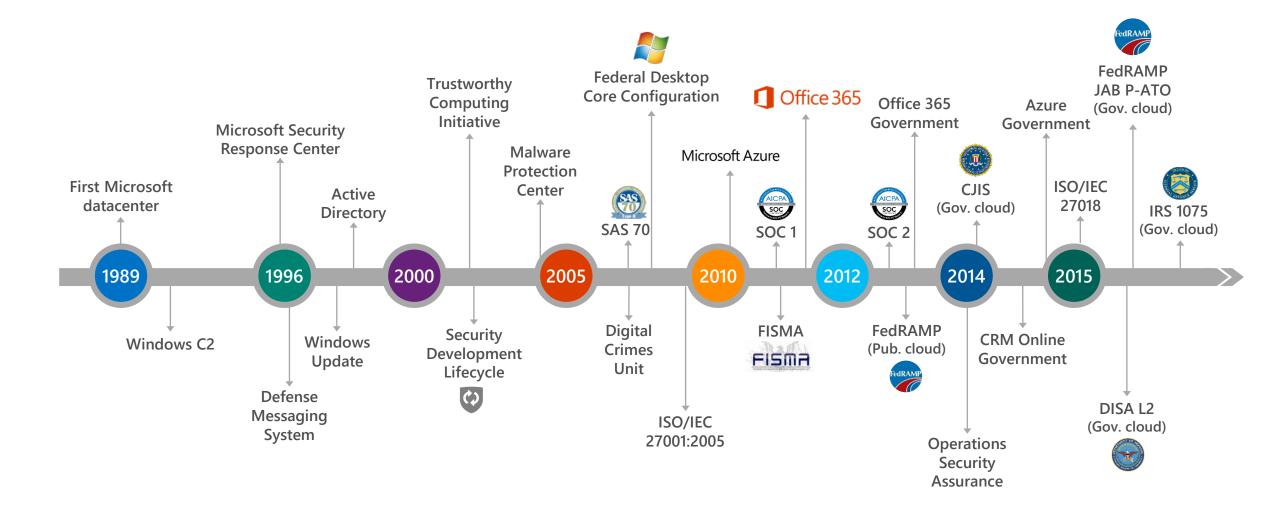




### Cloud service models



### Legacy of Trust





Secure & compliant cloud for US government only

Operated by screened US persons

Physically isolated instance of Microsoft Azure

Agencies can take advantage of instant scalability

Data sovereignty stays in the US



**Security** 

**Privacy & control** 

**Compliance** 

**Transparency** 

Reliability



# Microsoft Azure



#### **Trust**

Protect your business



### **Open and Hybrid**

Build freely, deploy consistently in the cloud & on-prem



### **Application innovation**

Accelerate innovation with the cloud



### **Data-Driven Intelligence**

Power decisions & apps with insights

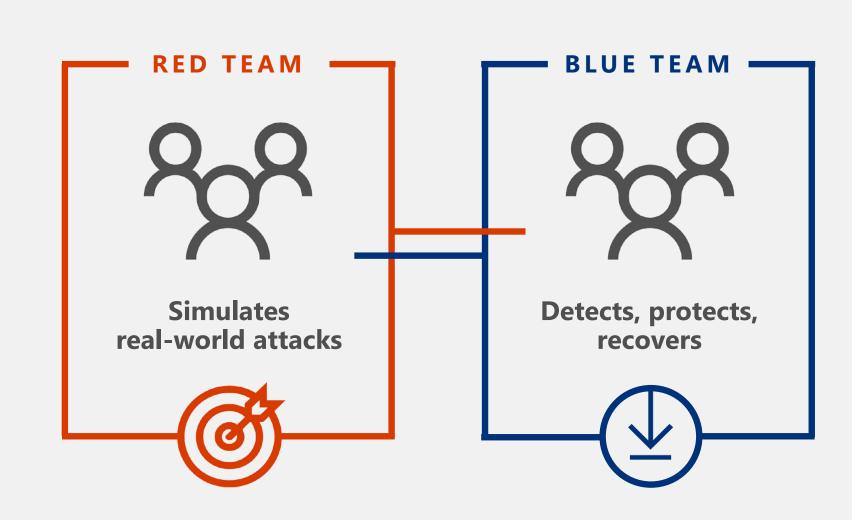
# Detect and mitigate threats



**Assume Breach** 

**Identify Attacks** 

**Restore Environment** 



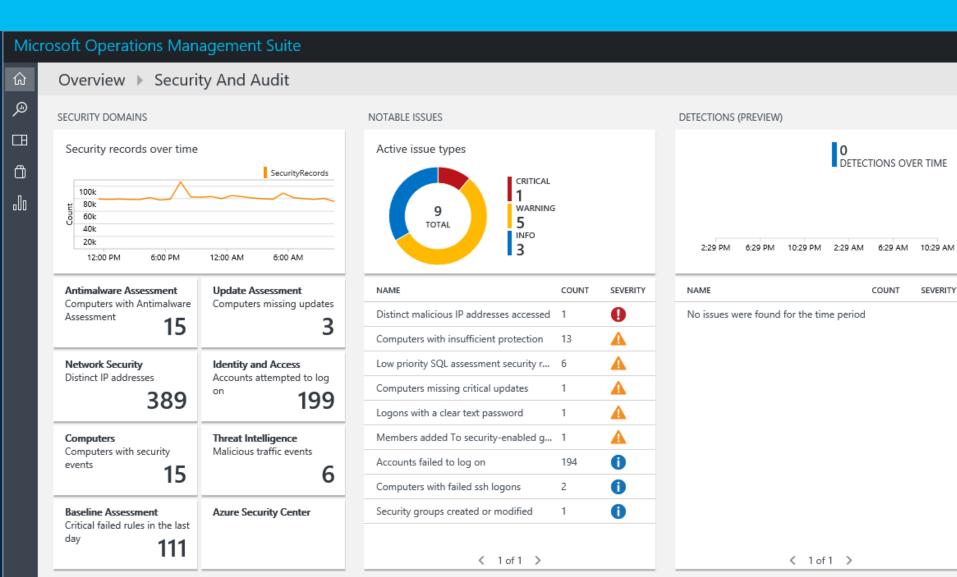
# Detect and mitigate threats



**Prevent** 

**Detect** 

Respond



### The most trusted and compliant cloud

























CJIS

CSA security

**US GOV** 







High JAB P-ATO



DoD DISA SRG Level 2



DoD DISA SRG Level 4



DoD DISA SRG Level 5



SP 800-171



FIPS 140-2



Section 508 **VPAT** 



**ITAR** 



IRS 1075





































































# All 50 US states are Microsoft Cloud for Government customers



Totaling 6 million users, across more than 7,000 Federal, State and Local Governments

# Microsoft has contractually committed to CJIS regulations in 60% of the United States!

Rate this article \*\*\*\*



Rochelle M. Eichner August 23, 2017

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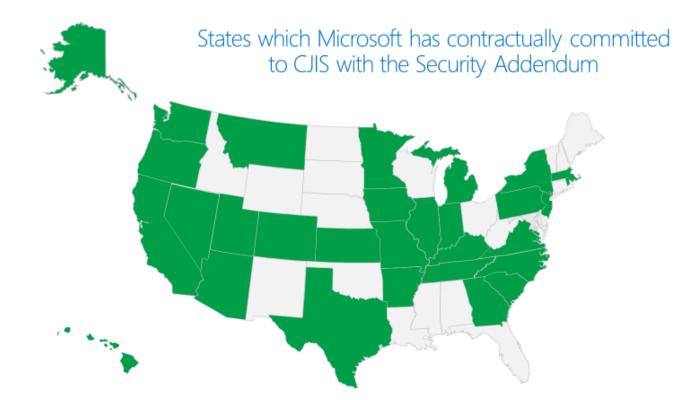




Nevada is the 30th state to background check Microsoft employees for CJIS

Joining states such as New York, California, Texas and many others, **Nevada** recently moved forward with a CJIS Information Agreement allowing the Nevada criminal justice community the opportunity to deploy mission critical justice and public safety solutions in Microsoft Government Cloud Services. From the words of **Julie Butler, Nevada CJIS Systems Officer** "The ability for law enforcement agencies to utilize criminal justice applications leveraging cloud-based solutions is critical for our criminal justice mission."

Below is a map of the states Microsoft has contractually committed to the applicable CJIS controls with a CJIS Information Agreement and CJIS Security Addendum:



### Microsoft and the State of Florida moving forward with a CJIS Lead Agency!



Rate this article \*\*\*\*



A Share 0





Rochelle M. Eichner October 5, 2017

City of Miami Police Department has committed to executing the CJIS Personnel Security Requirements for Microsoft

Florida Department of Law Enforcement (FDLE), the State of Florida's CJIS Systems Agency, recently completed an audit of Microsoft controls applicable to the CJIS Security Policy (details here). The audit results are available for all law enforcement agencies in Florida to meet their CJIS regulatory requirements.

Another critical requirement of the CJIS Security Policy is the requirement for agencies to adjudicate internal and vendor employees with potential access to Criminal Justice Information (CJI). Through the Lead Agency process in Florida, the City of Miami Police Department will be verifying the identification and performing national fingerprint-based record checks for applicable Microsoft employees per section 5.12.1 of the Policy. As the Lead Agency of Florida, other law enforcement agencies in Florida will be able to leverage the efforts of Miami Police Department for their CJIS compliance requirements.

In addition, the City of Miami Police Department will be validating other security requirements such as signed CJIS Security Addendums, CJIS Security Training, and other important regulations in the Policy.

Once complete, the agreement with Florida brings the total number of states which Microsoft has contractually committed to the applicable CJIS controls and signed the CJIS Security Addendum to 33 - representing 2/3 of the United States and over 80% of sworn officers in the country.

The collaboration between the State of Florida CJIS Systems Agency, the City of Miami Police Department and Microsoft is critical for enabling law enforcement to leverage mission critical cloud solutions to meet their public safety mission. It has been an honor and privilege to work with FDLE and the other state CJIS Systems Agencies to address unique requirements of law enforcement.

For more information, refer to the Microsoft Trust Center.

Microsoft is committed to compliance. Don't settle for anything less!

# Microsoft Azure



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### **Data and intelligence**

Power decisions & apps with insights

# Build freely, deploy anywhere









Build and run open source solutions

Extend on-premises identity, apps and data

Deploy the cloud on-premises

# Build and run open source solutions



**Applications** 









**DevOps** 











**Frameworks** 













**Databases & middleware** 













**Containers** 











Infrastructure













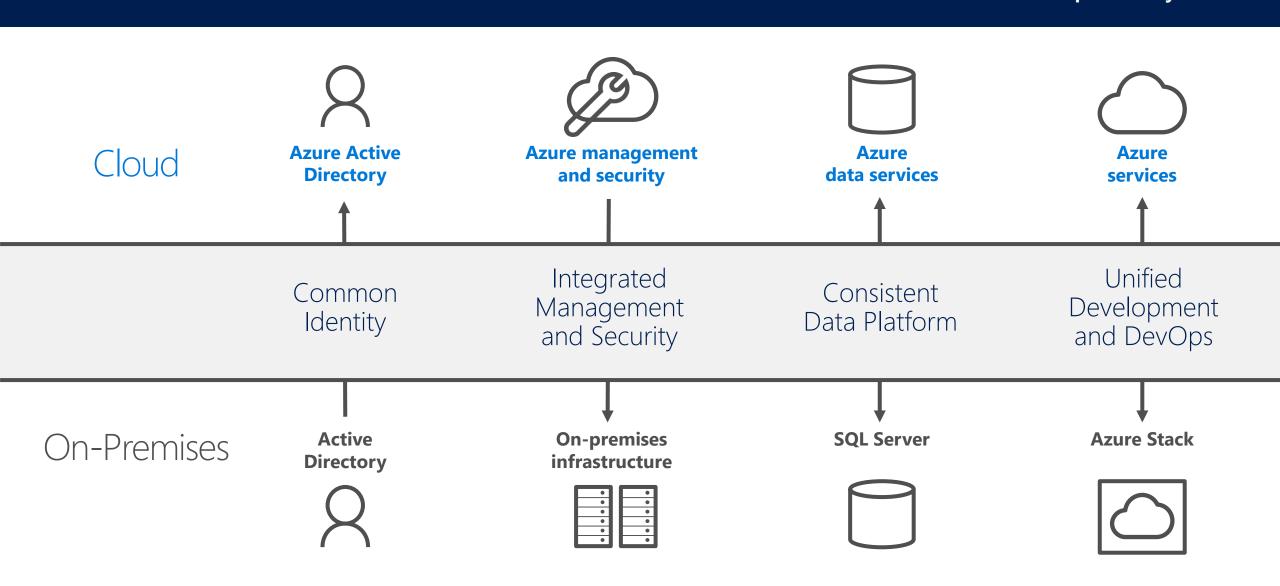




# Consistent identity, apps, data & management

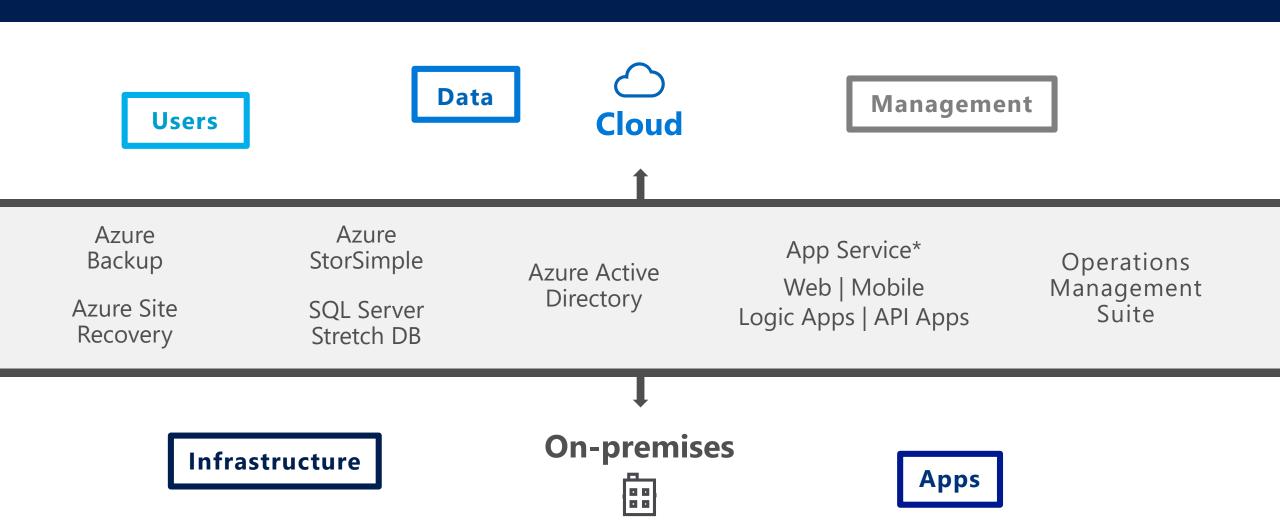


**Open and Hybrid** 



### Deploy the cloud on-premises





# Microsoft Azure



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### Accelerate innovation with the cloud







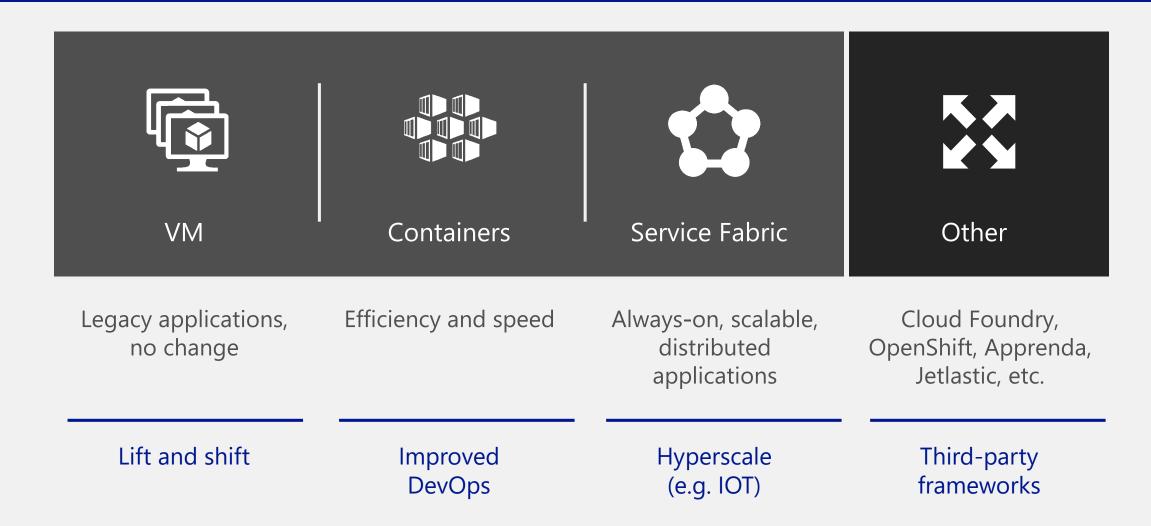


Build apps faster and easier Manage applications proactively

Deliver native mobile apps seamlessly

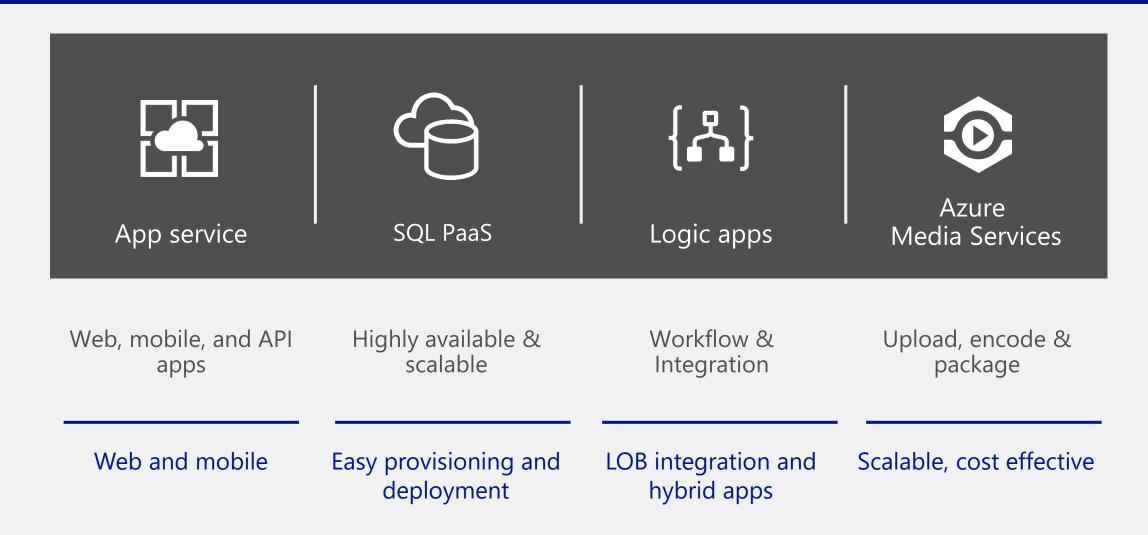
### Build apps faster and easier - laaS





### Build apps faster and easier - PaaS

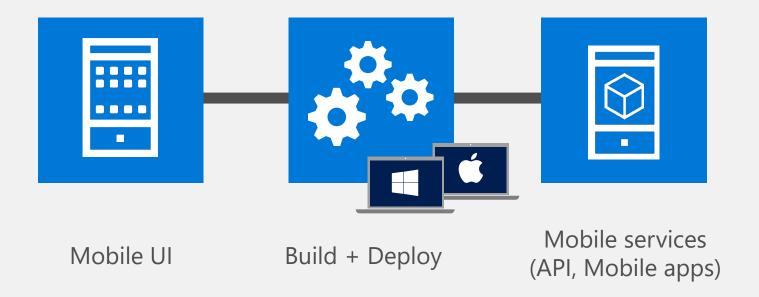




### Deliver native mobile apps seamlessly



#### **Mobile Applications**



#### **Mobile Back-end Services**

Cloud and Offline Data

User Authentication

Push Notifications

# Microsoft Azure



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Power decisions & apps with insights

# Power decisions & apps with insights









Support business strategy with any data

Predict and respond proactively

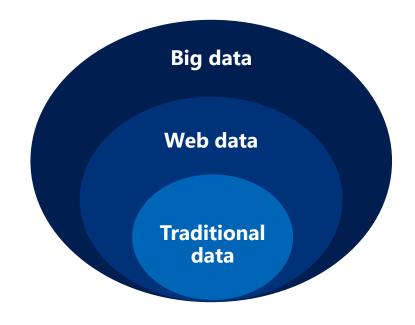
Learn and engage with artificial intelligence

# Support business strategy with any data



#### **Back-end power**

### **Front-end insights**





### Predict and respond proactively



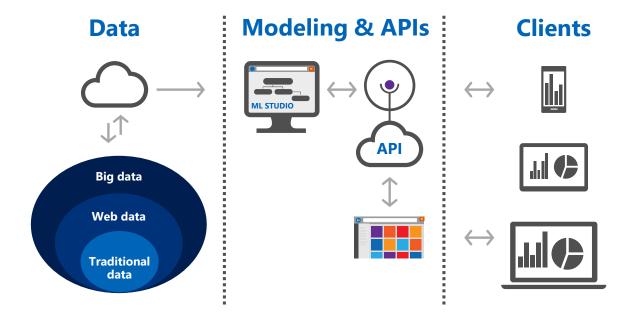
# Machine learning templates

Demand forecasting

Predictive maintenance

Vehicle telemetry

# Machine learning service





#### Crawl

#### Walk

#### Run

#### 3 Cloud Commodities: Network, Storage, Compute

- 1. Cloud Roadmap (StratoZone™)
- 2. Azure Enrollments (MAC & MAG)
- 3. Azure Foundations

#### Network

4. S2S VPN

#### Storage

- 8. Backup
- 7. StorSimple
- 6. Log Analytics

#### Compute

- 5. O365 Resilient Identity
- laaS VMs
- Dev/Test
- Migrate Access DBs (PowerLine™)

#### Network

Express Route

#### Storage

9. BCDR / Site Recovery (ASR)

#### Compute

- laaS Lift & Shift
- Web Apps

#### Data

- SQL Database
- SQL Data Warehouse
- Data Factory
- PowerBI

#### DevOps

- VS Team Services
- Application Insights
- Xamarin
- HockeyApp

#### **Industry ISV Solutions**

#### Compute

- Containers
- Service Fabric
- Functions
- Mobile Apps

#### Data

DocumentDB

#### **Analytics & IoT**

- Analysis Services
- Machine Learning
- HDInsight (Hadoop™ & Spark™)
- Data Lake (Store & Analytics)
- Data Catalog
- IoT Hub
- Stream Analytics

#### Intelligence

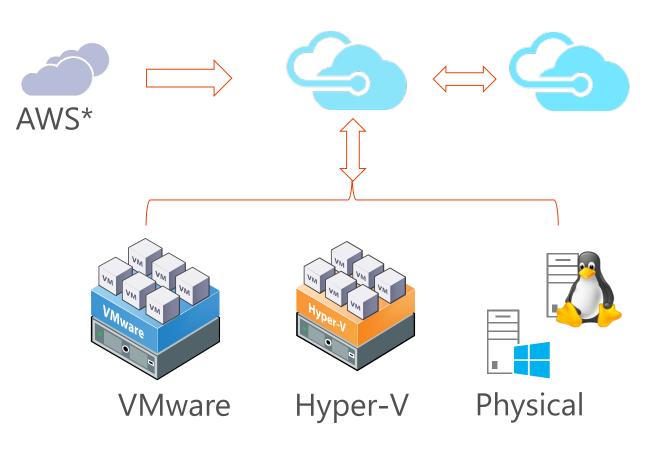
- Cognitive Services
- Bot Service

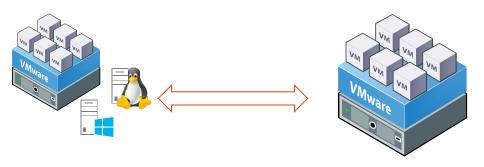
### Azure Site Recovery: The Complete Disaster Recovery Solution

Site to Azure

**Any Cloud** 

**Site to Site** 





Physical/VMware to VMware

